

Appl. No. 09/845,473
Response dated February 11, 2005
Response to final Office action of October 29, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An apparatus for retaining a well tool within a borehole having a borehole wall, comprising:
a camming member;
first and second tapered members axially spaced along the longitudinal axis of said camming member with said camming member oppositely disposed on a camming member disposed axially between said first and second tapered members;
said first and second tapered members having a contracted position on said camming member not engaging the borehole wall and an expanded position engaging the borehole wall.
2. (original) The apparatus of claim 1 further including an actuation assembly moving said tapered members between said expanded and contracted positions.
3. (original) The apparatus of claim 2 wherein said actuation assembly includes a piston and cylinder.
4. (original) The apparatus of claim 3 wherein said actuation assembly includes a return spring biasing said piston.
5. (original) The apparatus of claim 2 wherein said tapered members, camming member and actuation member are disposed on a common mandrel.
6. (original) The apparatus of claim 1 wherein said tapered members are disposed on a common mandrel with said tapered members extending over 180° around said mandrel.
7. (previously presented) The apparatus of claim 6 wherein said tapered members include tapered surfaces, a portion of which extends on each side of said mandrel.

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8. (original) The apparatus of claim 5 wherein said tapered members and camming member have inter-engaging surfaces with said mandrel to prevent relative rotation with respect to said mandrel.
9. (original) The apparatus of claim 1 further including biasing members forcing said tapered members and said camming member apart.
10. (previously presented) An apparatus for anchoring a well tool within a borehole, comprising:
a housing;
at least one inner wedge attached to said housing;
at least one extendable arm;
an outer wedge attached to said extendable arm;
a hydraulically actuated piston located within said housing;
a double sided wedge connected to said piston to engage said inner and said outer wedge concurrently; and
said extendable arm actuated by engagement of said inner and said outer wedges by said double sided wedge.
11. (currently amended) An apparatus for anchoring a well tool within a borehole, comprising:
an extendable member; and
a double sided wedge device to actuate said extendable member, said double sided wedge device comprising first and second tapered surfaces on opposite sides along the longitudinal axis of said double sided wedge device.
12. (withdrawn) An apparatus for cutting an aperture in an existing cased borehole comprising:
an umbilical;
a bottom hole assembly attached to one end of said umbilical and including a housing having a retention module disposed on each end thereof and engaging the cased borehole;
said retention module having at least one extendable member actuated by wedges linked to a hydraulic piston.

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13. (withdrawn) An apparatus for transporting well tools into and out of a borehole comprising:
- an umbilical;
 - a propulsion system attached to one end of said umbilical and including a housing having a retention module disposed on each end thereof and engaging the cased borehole;
 - a well tool attached to said propulsion system;
 - said retention module having at least one extendable member actuated by wedges linked to a hydraulic piston.
14. (withdrawn) An apparatus for performing interventions in a borehole comprising:
- an umbilical;
 - a propulsion system attached to one end of said umbilical and including a housing having a retention module disposed on each end thereof and engaging the cased borehole;
 - said retention module having at least one extendable member actuated by wedges linked to a hydraulic piston.